Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/14/2020 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125081	0	2.65	125166	2.74
Blue	F	SSC	125000	124549	-1	2.35	125314	2.39
Blue	E	FITC	15892	15360	-4	2.99	336	21.27
Blue	D	PE	29999	29218	-3	2.15	638	15.52
Blue	B	PerCP-Cy5-5	43732	43259	-2	3.92	1161	21.41
Blue	A	PE-Cy7	30845	30909	0	6.44	592	43.02
Red	C	APC	46112	45331	-2	2.54	1603	12.11
Red	A	APC-Cy7	30458	29882	-2	2.46	790	12.39
Violet	B	V450	7918	7601	-5	3.97	431	12.75
Violet	A	V500	32171	31417	-3	3.76	735	10.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17146	13.59	640	19	N/A	N/A	Pass
Blue	F	SSC	56876	1.67	578	19	N/A	N/A	Pass
Blue	E	FITC	61	65.51	552	9	0.0169	85	Pass
Blue	D	PE	133	50.47	558	10	0.1347	215	Pass
Blue	B	PerCP-Cy5-5	214	52.04	666	10	0.0081	49	Pass
Blue	A	PE-Cy7	108	111.19	712	14	0.0099	27	Pass
Red	C	APC	382	26.08	589	5	0.0253	248	Pass
Red	A	APC-Cy7	174	29.05	561	5	0.0051	681	Pass
Violet	B	V450	65	57.53	464	6	0.0513	1825	Pass
Violet	A	V500	110	30.18	480	6	0.0238	375	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.50	-32.13	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.28	13.60 - 20.40	N/A	N/A	29.65	30.06	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9631

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments